

10/734,789.

12/2



PATENT No. US 7,234,948 B2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENTEE(S) : Duk-Yong Kim et al.
PATENT NO. : US 7,234,948 B2
ISSUED : June 26, 2007
FOR : DIRECTIONAL COUPLER INTEGRATED WITH CONNECTORS

Certificate of Mailing Under 37 CFR 1.8

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Steve Cha, Reg. No. 44,069
(Name of Registered Rep.)

[Signature]
(Signature and Date)

REQUEST FOR CERTIFICATE OF CORRECTION
UNDER 37 CFR 1.323

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Commissioner For Patents
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Certificate
JUL 09 2007
of Correction

Dear Sir:

In accordance with the provisions of 37 CFR 1.323, the Patent and Trademark Office is respectfully requested to issue a Certificate of Correction in the above-identified Patent to correct an error in the Assignee's address on the face of the Patent (Item 73). The Assignee's address should read

-- Gyeonggi-do--

07/05/2007 HDESTA1 00000024 7234948

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as shown on the Assignment, copy enclosed.

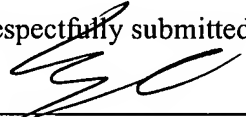
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Patent No US 7,234,948 B2
Page 2

Please issue a Certificate of Correction and to place such Certificate in the file, so that such will appear on any copies of the Patent which are ordered in the future. Enclosed is a check in the amount of \$100.00 covering the fee for such correction.

Two (2) copies of Form PTO/SB/44 embodying the requested correction accompany this letter. Return of one copy of the Form duly certified is requested.

Respectfully submitted,



By: Steve Cha
Attorney for Applicant
Registration No. 44,069

Date: July 3, 2007

Enclosure: Copy of Assignment
Form PTO/SB/44

Mail all correspondence to:
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CHA & REITER, LLC
210 Route 4 East, Suite #103
Paramus, NJ 07652
Telephone: 201-226-9245
Fax: 201-226-9246

JUL 10 2007

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : 7,234,948 B2

APPLICATION NO.: 10/734,789

ISSUE DATE : June 26, 2007

INVENTOR(S) : Duk-Yong Kim et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page

Item [73], Assignee's address, should read as follows:

--Gyeonggi-do--

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210 Route 4 East, Suite 103
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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 1 of 1

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US007234948B2

(12) **United States Patent**
Kim et al.

(10) **Patent No.:** US 7,234,948 B2
(45) **Date of Patent:** Jun. 26, 2007

(54) **DIRECTIONAL COUPLER INTEGRATED WITH CONNECTORS**

(75) Inventors: **Duk-Yong Kim**, Hwaseong-si (KR);
Jong-Kyu Park, Osan-si (KR); **Su-Hee Lee**,
Yongin-si (KR); **Sun-Woong Park**, Yongin-si (KR)

(73) Assignee: **KMW Inc**, Hwaseong-si [Gye] (KR)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **10/734,789**

(22) Filed: **Dec. 12, 2003**

(65) **Prior Publication Data**

US 2004/0127103 A1 Jul. 1, 2004

(30) **Foreign Application Priority Data**

Dec. 14, 2002 (KR) 10-2002-0080030

(51) Int. Cl. **H01R 13/73** (2006.01)

(52) U.S. Cl. **439/76.1**

(58) **Field of Classification Search** 439/76.1,
439/579; 174/541, 59; 333/109, 15, 111,
333/115

See application file for complete search history.

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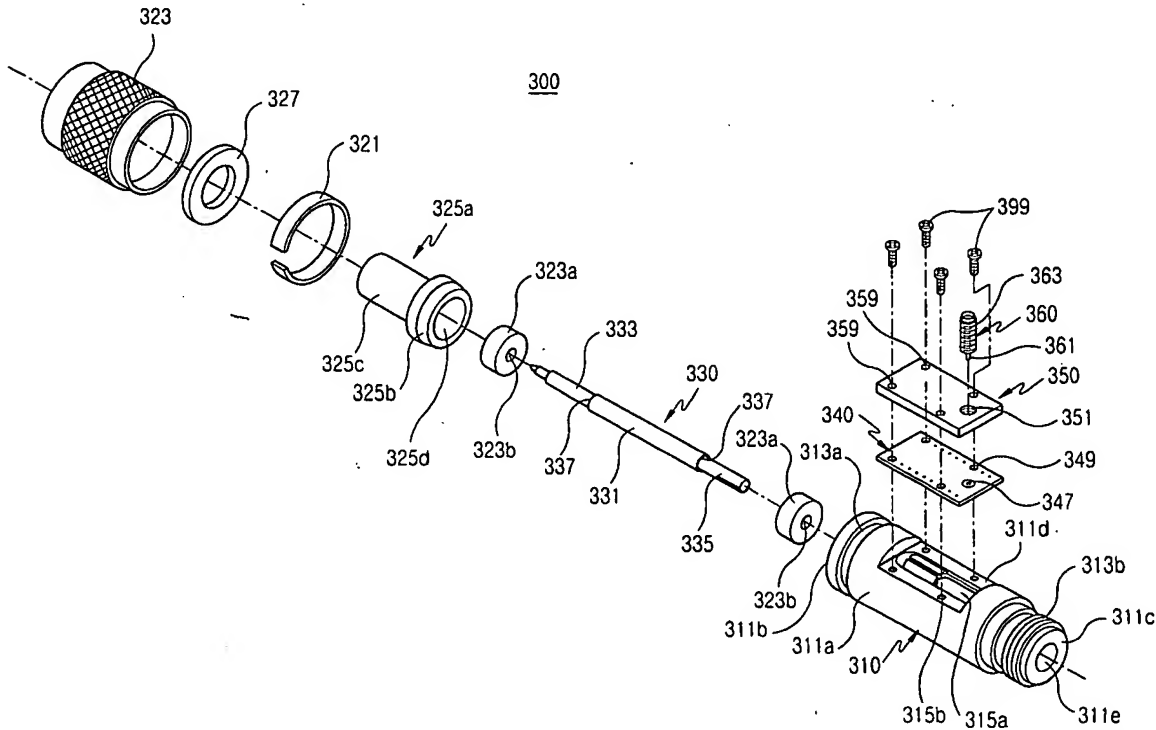
Primary Examiner—Alexander Gilman

(74) *Attorney, Agent, or Firm*—Cha & Reiter, L.L.C.

(57) **ABSTRACT**

A connectors-integrated directional coupler is provided. The directional coupler includes a housing having a body, an input connector integrally extended from one end of the body, and an output connector integrally extended from the other end of the body. A main line connects the input connector to the output connector for delivering a signal. A coupling line induces the signal from the main line.

15 Claims, 6 Drawing Sheets



10 2007

Assignment of Invention and Patent Application**COPY**

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of TEN (\$10.00) DOLLAR,

- 1) Duk-Yong KIM of
65, Yeongcheon-ri, Dongtan-myeon, Hwaseong-si, Gyeonggi-do, Republic of Korea
- 2) Jong-Kyu PARK of
#104-1005, Dongbu 2-cha APT., Galgot-dong, Osan-si, Gyeonggi-do, Republic of Korea
- 3) Su-Hee LEE of
#101-507, Shinmiju APT., 14-4, Singal-ri, Giheung-eup, Yongin-si, Gyeonggi-do, Republic of Korea
- 4) Sun-Woong PARK of
163-9, Unnam-ri, Guseong-myeon, Yongin-si, Gyeonggi-do, Republic of Korea

(hereinafter **Assignor**) hereby sells, assigns, transfers, and sets over unto:

KMW Inc. of
65, Yeongcheon-ri, Dongtan-myeon, Hwaseong-si, Gyeonggi-do, Republic of Korea

(hereinafter **Assignee**) the entire right, title and interest for the United States Of America as defined in 35 U.S.C. § 1.00, in and to the invention entitled as:

DIRECTIONAL COUPLER INTEGRATED WITH CONNECTORS

invented by **Assignor**; the application for United States patent therefor, invented by **Assignor**; any patent or reissues of any patent that may be granted thereon; and any applications which are continuations, continuation-in-part, substitutes, or divisions of said application. **Assignor** authorizes **Assignee** to enter the date of signature and/or Serial Number and Filing Date in the above. **Assignor** also authorizes and requests the Commissioner of Patents and Trademarks to issue any resulting patent(s) to the said **Assignee**, for its interests as **Assignee**, its successors, assigns and legal representatives. The undersigned agrees that the attorney of record in said application shall hereafter act on behalf of said **Assignee**; and **Assignor** further conveys to **Assignee** all priority rights resulting from the above-identified application for United States Patent. **Assignor** agrees to execute all papers, give any required testimony and perform other lawful acts, as deemed essential by **Assignee** to perfect **Assignee's** interest in any resulting patent of the United States, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and **Assignee's** interest therein.

connected therewith.

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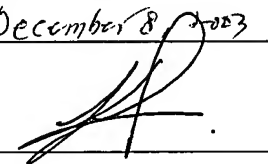
I (we) hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Citizenship: Republic of Korea
Date: December 8, 2003



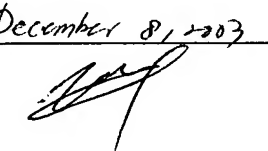
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Signature:

Full name of Third inventor:

Residence Address:

Post office address:

Citizenship:

Date:


Signature:

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12.04. 2007



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